

## SEQUENCE LISTING

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Gour, Barbara J.

<120> COMPOUNDS AND METHODS FOR MODULATING CLAUDIN-MEDIATED  
FUNCTIONS

<130> 100086.409

<140> US

<141> 1998-11-03

<160> 269

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<210> 1

<211> 8

<212> PRT

<213> Unknown

<220>

<221> MOD\_RES

<222> (2)

<223> Where Xaa is either Lysine or Arginine

<220>

<221> MOD\_RES

<222> (3)

<223> Where Xaa is an independently selected amino acid  
residue

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<221> MOD\_RES

<222> (4)

<223> Where Xaa is an independently selected amino acid  
residue

<220>

<221> MOD\_RES

<222> (5)

<223> Where Xaa is either Serine or Alanine

<220>

<221> MOD\_RES

<222> (6)

<223> Where Xaa is either Tyrosine or Phenylalanine

<220>

<221> MOD\_RES

<222> (7)

<223> Where Xaa is an independently selected amino acid  
residue

<220>

<223> Description of Unknown Organism: Consensus  
Claudin Cell Adhesion Recognition Sequence

<400> 1

Trp Xaa Xaa Xaa Xaa Xaa Xaa Gly  
1 5

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis based on Mouse Claudin-1 Cell Adhesion  
Recognition Sequence

<400> 2

Ile Tyr Ser Tyr  
1

<210> 3

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-2 cell adhesion  
recognition sequence

<400> 3

Thr Ser Ser Tyr  
1

<210> 4

<211> 4

<212> PRT

<213> Mus musculus

<220>

<223> Description of Artificial Sequence: Product of  
synthesis based on human, mouse and Monkey CPE-R  
cell adhesion recognition sequence

<400> 4

Val Thr Ala Phe  
1

<210> 5

<211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human and rat RVP-1 cell  
 adhesion recognition sequence

<400> 5  
 Val Ser Ala Phe  
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<210> 6  
 <211> 42  
 <212> PRT  
 <213> Mus musculus

<400> 6  
 Pro Gln Trp Lys Ile Tyr Ser Tyr Ala Gly Asp Asn Ile Val Thr Ala  
 1 5 10 15  
 Gln Ala Ile Tyr Glu Gly Leu Trp Met Ser Cys Val Ser Gln Ser Thr  
 20 25 30  
 Gly Gln Ile Gln Cys Lys Val Phe Asp Ser  
 35 40

<210> 7  
 <211> 42  
 <212> PRT  
 <213> Mus musculus

<400> 7  
 Pro Asn Trp Arg Thr Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala  
 1 5 10 15  
 Val Gly Phe Ser Lys Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr  
 20 25 30  
 Gly Ile Thr Gln Cys Asp Ile Tyr Ser Thr  
 35 40

<210> 8  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 8  
 Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser  
 1 5 10 15

Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr  
                   20                  25                  30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser  
                   35                  40

<210> 9

<211> 42

<212> PRT

<213> Mus musculus

<400> 9

Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ala  
           1                  5                  10                  15

Gln Thr Ser Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr  
                   20                  25                  30

Gly Gln Met Gln Cys Lys Met Tyr Asp Ser  
                   35                  40

<210> 10

<211> 42

<212> PRT

<213> Chlorocebus aethiops

<400> 10

Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser  
           1                  5                  10                  15

Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr  
                   20                  25                  30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser  
                   35                  40

<210> 11

<211> 42

<212> PRT

<213> Homo sapiens

<400> 11

Pro Met Trp Arg Val Ser Ala Phe Ile Gly Ser Asn Ile Ile Thr Ser  
           1                  5                  10                  15

Gln Asn Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr  
                   20                  25                  30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser  
                   35                  40

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<210> 12  
 <211> 41  
 <212> PRT  
 <213> Rattus norvegicus

<400> 12  
 Pro Met Trp Arg Val Ser Ala Phe Ile Gly Ser Ser Ile Ile Thr Ala  
           1                  5                  10                  15

Gln Ile Thr Trp Glu Gly Leu Trp Met Asn Cys Val Gln Ser Thr Gly  
                   20                  25                  30

Gln Met Gln Cys Lys Met Tyr Asp Ser  
           35                  40

<210> 13  
 <211> 42  
 <212> PRT  
 <213> Unknown

<220>  
 <223> Description of Unknown Organism: Consensus  
           Claudin extracellular domain 1 sequence

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 <222> (2)  
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           residue

<220>  
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 <222> (4)  
 <223> Where Xaa is either Arginine or Lysine

<220>  
 <221> MOD\_RES  
 <222> (5)  
 <223> Where Xaa is an independently selected amino acid

<220>  
 <221> MOD\_RES  
 <222> (6)  
 <223> Where Xaa is an independently selected amino acid  
           residue

<220>  
 <221> MOD\_RES  
 <222> (7)  
 <223> Where Xaa is either Alanine or Serine

<220>  
 <221> MOD\_RES  
 <222> (8)

<223> Where Xaa is either Tyrosine or Phenylalanine

<220>

<221> MOD\_RES

<222> (9)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (11)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (12)

<223> Where Xaa is either Asparagine or Serine

<220>

<221> MOD\_RES

<222> (14)

<223> Where Xaa is either Valine or Isoleucine

<220>

<221> MOD\_RES

<222> (16)

<223> Where Xaa is either Alanine or Serine

<220>

<221> MOD\_RES

<222> (17)

<223> Where Xaa is either Glutamine or Valine

<220>

<221> MOD\_RES

<222> (18)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (19)

<223> Where Xaa is an independently selected amino acid residue

<220>

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<222> (20)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (21)

<223> Where Xaa is either Glutamic Acid or Lysine

<220>

<221> MOD\_RES

<222> (26)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (28)

<223> Where Xaa is either Valine or Alanine

<220>

<221> MOD\_RES

<222> (29)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (30)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (31)

<223> Where Xaa is either Serine or a gap

<220>

<221> MOD\_RES

<222> (34)

<223> Where Xaa is either Glutamine or Isoleucine

<220>

<221> MOD\_RES

<222> (35)

<223> Where Xaa is an independently selected amino acid residue

<220>

<221> MOD\_RES

<222> (38)

<223> Where Xaa is either Lysine or Aspartic Acid

<220>

<221> MOD\_RES

<222> (39)

<223> Where Xaa is Valine, Isoleucine or Methionine

<220>

<221> MOD\_RES

<222> (40)

<223> Where Xaa is either Phenylalanine or Tyrosine

<220>  
 <221> MOD\_RES  
 <222> (41)  
 <223> Where Xaa is either Aspartic Acid or Serine

<220>  
 <221> MOD\_RES  
 <222> (42)  
 <223> Where Xaa is either Serine or Threonine

<400> 13  
 Pro Xaa Trp Xaa Xaa Xaa Xaa Xaa Gly Xaa Xaa Ile Xaa Thr Xaa  
   1                  5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Gly Leu Trp Met Xaa Cys Xaa Xaa Xaa Xaa Thr  
                   20                  25                  30  
 Gly Xaa Xaa Gln Cys Xaa Xaa Xaa Xaa Xaa  
           35                  40

<210> 14  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
       Synthesis based on mouse claudin-1 sequence

<400> 14  
 Ile Tyr Ser Tyr Ile Tyr Ser Tyr  
   1                  5

<210> 15  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
       synthesis based on mouse claudin-1 sequence

<400> 15  
 Gln Ile Tyr Ser Tyr Gln Ile Tyr Ser Tyr Gln Ile Tyr Ser Tyr  
   1                  5                  10                  15

<210> 16  
 <211> 10  
 <212> PRT  
 <213> Artificial Sequence



<223> Description of Artificial Sequence: Product of synthesis. N-CAM binding sequence

Lys Tyr Ser Phe Asn Tyr Asp Gly Ser Glu  
1 5 10

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of Synthesis. Occludin cell adhesion recognition sequence

Leu Tyr His Tyr  
1

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<223> Cyclic Peptide

<223> Where Xaa is dimethyl cysteine

Cys Ile Tyr Ser Tyr Xaa  
1 5

<213> Artificial Sequence

<223> Cyclic Peptide

**<220>**

<222> ()

**<220>**

<400> 19

1 5

<211> 6

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of  
Synthesis based on mouse claudin-1 sequence

<223> Cyclic Peptide

<221> MOD RES

<223> Where Xaa is beta,beta-pentamethylene cysteine

Xaa Ile Tyr Ser Tyr Cys

1 5

<211> 6

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<223> Cyclic Peptide

&lt;221&gt; MOD RES

<223> Where Xaa is beta-mercaptopropionic acid

Xaa Ile Tyr Ser Tyr Cys

1 5

<210> 22  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<220>  
 <223> Cyclic Peptide

<220>  
 <221> MOD\_RES  
 <222> (1)  
 <223> Where Xaa is  
 beta,beta-pentamethylene-beta-mercaptopropionic  
 acid

<400> 22  
 Xaa Ile Tyr Ser Tyr Cys  
 1 5

<210> 23  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-1 sequence

<220>  
 <223> Cyclic Peptide

<220>  
 <221> MOD\_RES  
 <222> (1)  
 <223> Where Xaa is D-Tyrosine

<400> 23  
 Xaa Ile Tyr Ser Tyr  
 1 5

<210> 24  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of

## Synthesis

&lt;220&gt;

&lt;223&gt; Cyclic Peptide

&lt;400&gt; 24

Trp Gly Gly Trp

1

&lt;210&gt; 25

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Product of  
Synthesis based on N-cadherin cell adhesion  
recognition sequence

&lt;400&gt; 25

Phe His Leu Arg Ala His Ala Val Asp Ile Asn Gly Asn Gln Val

1

5

10

15

&lt;210&gt; 26

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Product of  
synthesis based on E-cadherin cell adhesion  
recognition sequence

&lt;400&gt; 26

Leu Phe Ser His Ala Val Ser Ser Asn Gly

1

5

10

&lt;210&gt; 27

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Product of  
Synthesis based on mouse claudin-1 sequence

&lt;400&gt; 27

Ile Tyr Ser Tyr Ala

1

5

&lt;210&gt; 28

<211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<400> 28

Ile Tyr Ser Tyr Ala Gly  
 1 5

<210> 29

<211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<400> 29

Lys Ile Tyr Ser Tyr  
 1 5

<210> 30

<211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<400> 30

Lys Ile Tyr Ser Tyr Ala  
 1 5

<210> 31

<211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<400> 31

Lys Ile Tyr Ser Tyr Ala Gly  
 1 5

<210> 32  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<400> 32

Trp Lys Ile Tyr Ser Tyr  
 1 5

<210> 33  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<400> 33

Trp Lys Ile Tyr Ser Tyr Ala  
 1 5

<210> 34  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 Synthesis based on mouse claudin-1 sequence

<400> 34

Trp Lys Ile Tyr Ser Tyr Ala Gly  
 1 5

<210> 35  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-2 sequence

<400> 35

Thr Ser Ser Tyr Val  
 1 5

<210> 36  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-2 sequence

<400> 36  
Thr Ser Ser Tyr Val Gly  
1 5

<210> 37  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-2 sequence

<400> 37  
Arg Thr Ser Ser Tyr  
1 5

<210> 38  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-2 sequence

<400> 38  
Arg Thr Ser Ser Tyr Val  
1 5

<210> 39  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-2 sequence

<400> 39  
Arg Thr Ser Ser Tyr Val Gly  
1 5

<210> 40  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-2 sequence

<400> 40  
 Trp Arg Thr Ser Ser Tyr  
 1 5

<210> 41  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-2 sequence

<400> 41  
 Trp Arg Thr Ser Ser Tyr Val  
 1 5

<210> 42  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-2 sequence

<400> 42  
 Trp Arg Thr Ser Ser Tyr Val Gly  
 1 5

<210> 43  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human, mouse and monkey CPE-R  
 sequences

<400> 43



Val Thr Ala Phe Ile  
1 5

<210> 44  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
synthesis based on human, mouse and monkey CPE-R  
sequences

<400> 44  
Val Thr Ala Phe Ile Gly  
1 5

<210> 45  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
synthesis based on human, mouse and monkey CPE-R  
sequences

<400> 45  
Arg Val Thr Ala Phe  
1 5

<210> 46  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
synthesis based on human, mouse and monkey CPE-R  
sequences

<400> 46  
Arg Val Thr Ala Phe Ile  
1 5

<210> 47  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 47

Arg Val Thr Ala Phe Ile Gly  
1 5

<210> 48

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 48

Trp Arg Val Thr Ala Phe  
1 5

<210> 49

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 49

Trp Arg Val Thr Ala Phe Ile  
1 5

<210> 50

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 50

Trp Arg Val Thr Ala Phe Ile Gly  
1 5

<210> 51

<211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human and rat RVP-1 sequences

<400> 51  
 Val Ser Ala Phe Ile  
 1 5

<210> 52  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human and rat RVP-1 sequences

<400> 52  
 Val Ser Ala Phe Ile Gly  
 1 5

<210> 53  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human and rat RVP-1 sequences

<400> 53  
 Arg Val Ser Ala Phe  
 1 5

<210> 54  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human and rat RVP-1 sequences

<400> 54  
 Arg Val Ser Ala Phe Ile  
 1 5

<210> 55  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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 synthesis based on human and rat RVP-1 sequences

<400> 55  
 Arg Val Ser Ala Phe Ile Gly  
 1 5

<210> 56  
 <211> 6  
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<220>  
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 synthesis based on human and rat RVP-1 sequences

<400> 56  
 Trp Arg Val Ser Ala Phe  
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<210> 57  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human and rat RVP-1 sequences

<400> 57  
 Trp Arg Val Ser Ala Phe Ile  
 1 5

<210> 58  
 <211> 8  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on human and rat RVP-1 sequences

<400> 58  
 Trp Arg Val Ser Ala Phe Ile Gly  
 1 5

<210> 59  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-1 sequence

<220>  
 <223> Cyclic Peptide

<400> 59  
 Cys Ile Tyr Ser Tyr Cys  
       1                  5                  10

<210> 60  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-1 sequence

<220>  
 <223> Cyclic Peptide

<400> 60  
 Cys Ile Tyr Ser Tyr Ala Cys  
       1                  5                  10

<210> 61  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 synthesis based on mouse claudin-1 sequence

<220>  
 <223> Cyclic Peptide

<400> 61  
 Cys Ile Tyr Ser Tyr Ala Gly Cys  
       1                  5                  10

<210> 62  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of

synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 62

Cys Lys Ile Tyr Ser Tyr Cys

1

5

10

<210> 63

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 63

Cys Lys Ile Tyr Ser Tyr Ala Cys

1

5

10

<210> 64

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 64

Cys Lys Ile Tyr Ser Tyr Ala Gly Cys

1

5

10

<210> 65

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 65

Cys Trp Lys Ile Tyr Ser Tyr Cys

1 5 10

<210> 66

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 66

Cys Trp Lys Ile Tyr Ser Tyr Ala Cys

1 5 10

<210> 67

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 67

Cys Trp Lys Ile Tyr Ser Tyr Ala Gly Cys

1 5 10

<210> 68

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 68

Lys Ile Tyr Ser Tyr Asp

1 5 10

<210> 69

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 69

Lys Ile Tyr Ser Tyr Ala Asp

1

5

10

<210> 70

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

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